







ABRAM URBAN DISTRICT COUNCIL.

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## MEDICAL OFFICER'S ANNUAL REPORT, 1910.

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SPRINGFIELD HOUSE,

ABRAM,

JANUARY, 1911.

To the Chairman and Members of the Abram Urban  
District Council.

Gentlemen,

I have much pleasure in presenting to you my Annual Report for the year 1910.

The Township consists of 1,982 acres (the subsoil is entirely of a clayey nature). An ever increasing part is more or less permanently under water owing of course to subsidence, the result of colliery workings.

The Assessable Value of the Township is £29,083 12s. 6d., and a penny rate produces £121 3s. 7d.

As regards the health of the township during the year, the number of deaths, 89, is the lowest recorded for 15 years, and of course at the earlier period the population was much smaller, being only about 4,500. There are also included for 1910 two of the victims recovered from the Maypole Colliery explosion of 1908.

The Births registered, 200, is much below the average for the preceding 10 years.

Of Infectious Diseases 93 notifications have been received, being 4 more than last year, Scarlet Fever being again at the head of the list, while there has also been a great increase in the number of Typhoid cases,

I have estimated the total population to be 7,200, the same as last year, although I have made some slight alteration in the population of the Wards, and on these figures I have based my calculations.

Below will be found details of the several points mentioned above.

*Deaths.* From all causes, 82 have been registered in the district, and 7 in Institutions in Wigan and Leigh, of persons belonging to this district, making a total of 89, which gives a mortality rate of 12.36 per thousand of a living population. This is 4.02 less than the figures for 1909, and 6.10 less than the average for the preceding 10 years. This I think is very satisfactory.

The ages at death are as follows:

Under 1 year	1 & under 5 years.	5 & under 15 years.	15 & under 25 years.	25 & under 65 years.	65 and upwards.
22	12	7	9	28	11

With the exception of the numbers from 5 and under 15, and 15 and under 25 years, these figures are all lower than those of the previous year; in the particular cases mentioned the increases are 5 and 4 respectively.

2 deaths have occurred in illegitimate children under 12 months old.

The Ward distribution and rates per thousand of the population are as follows:—

	Total deaths.	Rate per thousand.	Deaths under 1 year.	Rate per thousand births.
Abram Brow	26	11.92	7	100
Bamfurlong	24	9.89	8	135
Bickershaw	18	12.20	4	105
Plank Lane	21	18.75	3	90

These figures compared with those of 1909 show a diminution of total deaths in every ward except Plank Lane, which records the same, and as regards deaths under 12 months all are less with the exception of Bamfurlong, which shows an increase of 2.

*Zymotic Death Rate.* 13 deaths have occurred from the 7 principal Zymotic diseases, an increase of 2 over the previous year. The causes of death are Measles 1, Scarlet Fever 5, Whooping Cough 2, Diphtheria 2, Enteric Fever 1, Diarrhœa 1 and Erysipelas 1. The death rate is 1.80 per thousand, being .28 per thousand higher than the previous year.

The Ward distribution and the several rates per thousand of the population are as follows:—

	Deaths from Zymotic Diseases.		Rate per thousand of population.
Abram Brow	5	...	2.28
Bamfurlong	4	...	1.64
Bickershaw	4	...	2.71
Plank Lane	Nil	...	Nil

These figures in comparison with those of the previous year show Abram Brow the same, Bamfurlong an increase of .81, Bickershaw an increase of .44, and Plank Lane a decrease of .88 per thousand respectively.

*Births.* 200, consisting of 98 boys and 102 girls, have been registered. This is 10 less than last year, and comprises 6 illegitimate births, 3 of each sex.

The birth rate is 27.7 per thousand, a diminution of 1.47 per thousand from that of the previous year, and 7.4 per thousand from the average from the preceding 10 years.

The details of these births are as follows:—

	Boys.	Girls.	Total.	Rate per thousand of population.
Abram Brow	33	37	70	32.11
Bamfurlong	31	28	59	24.32
Bickershaw	16	22	38	25.76
Plank Lane	18	15	33	29.46
Total	98	102	200	27.7

Abram Brow and Plank Lane Wards show an increased birth rate over the previous year, the increase being at the rate of 4.31 and 4.56 per thousand respectively, while Bamfurlong and Bickershaw Wards show decreases at the rate of 3.94 and 10.04 respectively.

The illegitimate births comprise 1 boy in Abram Brow Ward, 1 girl in Bamfurlong, 2 (1 boy and 1 girl) in Bickershaw, and 2 (1 boy and 1 girl) in Plank Lane Ward.



*Notifications.* 93 have been received during the year, an increase of 4 over the previous year. This increase is due to the greater number of Enteric Fever cases, there being 16, an increase of 12. Scarlet Fever with 45 cases shows a decrease of 8 from the previous year.

Diphtheria with 14 cases, shows a decrease of 6; Erysipelas 17, an increase of 8; and Ophthalmia Neonotorum 1 case, notified for the first time from the middle of the year.

The Ward distribution is as follows:—

	Abram Brow.	Bamfurlong.	Bickershaw.	Plank Lane.	Total.
Diphtheria	2	8	4	—	14
Scarlet Fever	8	4	31	2	45
Enteric Fever	8	3	5	—	16
Erysipelas	5	8	3	1	17
Ophthalmia Neonotorum	—	—	1	—	1
	23	23	44	3	93

Every Ward shows a decrease on the previous year except Bickershaw, which has an increase of 15. The increase in Bickershaw is entirely due to the large number of cases of Scarlet Fever which occurred in the middle of the year and about which I gave you a Special Report, showing conclusively that the infection was spread mainly through indiscriminate visiting by neighbours from and into infected houses. Information was also received that one of the teachers living in an infected area outside the township, had attended the day school at Bickershaw while in the "peeling" stage of Scarlet Fever.

Of the Infectious cases notified, 53, (38 Scarlet and 15 Enteric Fever), were removed to the Isolation Hospital; of these 5 cases (4 Scarlet and 1 Enteric) died.

Periodicity and general remarks of diseases prevalent throughout the year.

*Scarlet Fever* has been present more or less throughout the year, the months of September and November being the only two in which no cases were notified. It was present more particularly in March and May, being most marked in Bickershaw Ward, appearing there in endemic form.

There were 5 deaths as a result of this disease, which gives a rate of .69 per thousand.

*Diphtheria*, including *Membranous Croup*. Present more or less throughout the year, and caused 2 deaths, giving a rate of .27 per thousand. A new regulation has been issued by the Local Government Board, advising the use of Diphtheritic Antitoxin in all cases of Diphtheria notified.

The Antitoxin is supplied free to all practitioners on application to the Medical Officer of Health.

*Enteric Fever*. This disease was prevalent in September and October more particularly, and occasioned 1 death. Abram Brow Ward is where most cases occurred, and on close examination all the drains from Nos. 533 to 569, inclusive, in the Warrington Road portion of the ward were found to be defective. It is in this particular part that most cases have occurred in previous years. These drains have been relaid and supplied with intercepting traps, and additional ventilations also have been put in connection with the sewer, to prevent, as far as possible, any contamination from sewer gas.

*Small Pox*. No cases during the year.

*Puerperal Fever*. No cases during the year.

*Erysipelas*. There has been one death from this disease during the year out of the 17 cases notified.

*Whooping Cough* has been present in the early part of the year in Bickershaw, and in the latter months of the year in Abram Brow and Bamfurlong Wards. 2 deaths have resulted from this disease. We still find a great disinclination amongst some parents to keep children from school when suffering from this disease, and some head teachers to send such children home.

*Measles*. This disease was present more particularly in January, and caused 1 death in Bamfurlong Ward.

*Diarrhæa* was not very prevalent at any time during the year. There was, however, 1 death from this disease in Abram Brow Ward.

*Phthisis* has caused 8 deaths during the year, an increase of 5 over the previous year, and giving a mortality rate of 1.1 per thousand. The distribution of these cases is, Abram Brow 1, Bamfurlong and Bickershaw 2 each, and Plank Lane 3.

Other tubercular diseases have occasioned 6 deaths, 2 in Abram Brow, 3 in Bickershaw, and 1 in Plank Lane Ward respectively.

*Cancer* has not caused any deaths during the year.

*Respiratory Diseases*, comprising Pneumonia 13, Bronchitis 8, and Empyema 1, have caused 22 deaths, the death rate being 3.05 per thousand. This is much less than the figures for 1909, with 31 deaths, and a mortality rate of 4.30 per thousand.

The Ward distribution of these diseases are:—

Abram Brow	...	...	...	...	10
Bamfurlong	...	...	...	...	5
Bickershaw	...	...	...	...	2
Plank Lane	...	...	...	...	5
					—
Total					22
					—

*Heart Diseases.* 5 deaths from these diseases, being a decrease from last year of 4, and giving a rate of .69 per thousand.

*Premature Births* have occasioned 2 deaths, the same number as last year.

*Accidents.* 7 deaths, this being 15 less than last year, all the result of Mining accidents, in Abram Brow Ward 2, Bamfurlong 2, and Bickershaw Ward 3 respectively. These in Abram Brow Ward are bodies the result of the Maypole Explosion in 1908.

*All other Causes.* 21 from these diseases, being 9 less than last year.

The Ward distributions are:—

Abram Brow	...	...	...	...	4
Bamfurlong	...	...	...	...	8
Bickershaw	...	...	...	...	1
Plank Lane	...	...	...	...	8

*Uncertified Deaths,* 4, this being the same as last year, 2 in Plank Lane Ward, and 1 each in Bickershaw and Bamfurlong Wards respectively.

*The Factory and Workshops Act.* I have visited all the bakehouses in the district, and have found them quite satisfactory.

The workshops and workplaces have all been frequently inspected. The only fault to be found is want of cleanliness; this has been remedied in all but two of the shops.

The premises consist of:

Bakehouses	...	...	...	...	8
Workshops	...	...	...	...	10
Workplaces	...	...	...	...	13
					—
					31
					—



*Dairies and Cowsheds.* These have been frequently inspected, and found generally satisfactory. A little more tidiness generally with regard to the manure heaps about the premises, to which attention has been drawn, would be a distinct improvement.

The one registered slaughter house in the district has been frequently visited, nothing being found to which exception could be taken.

A case of sheep being killed in a house yard has been dealt with.

*The Midwives Act.* The working of this act continues to be carried out in a very satisfactory manner.

One certified midwife has died during the year, leaving 3 as actually residing in the district.

The work of the district nurse again calls for favourable comment. She has paid the record number of 4,302 visits during the year.

*The Water Supply* has not been so satisfactory as in previous years, neither as regards the quality nor the regularity of the supply.

The sides of the reservoir which are made up of rubble stones, have become very dirty owing to the deposit of dust and soot from neighbouring property and collieries, and have been a very ample breeding ground for tadpoles, &c., these, owing to defective screening, have found their way into the service pipes.

This condition is now being remedied by having the bottom and sides covered with concrete, and new screening arrangements being put in. The deficiency of supply, which has been caused by the area of the tubes being lessened owing to oxidization of the lining, has been remedied by having the pipes cleaned out with the Adamson cleaner.

I beg to be, Gentlemen,

Your obedient Servant,

A. O. BENTHAM,

Medical Officer of Health.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1910 AND PREVIOUS YEARS.  
DISTRICT OF ABRAM.

YEAR	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED. IN THE DISTRICT						Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.		
		Number	Rate*	Under 1 Year of Age		At all Ages		Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District			Deaths of Residents registered in Public Institutions beyond the District	Number	Rate*
				Number	Rate per 1000 Births regist'd	Number	Rate*							
1	2	3	4	5	6	7	8	9	10	11	12	13		
1900	5277	252	47.7	57	230	145	27.40	...	...	...	145	27.40		
1901	6325	248	39.2	56	225	164	25.92	...	...	5	169	26.71		
1902	6409	246	38.3	43	178	120	18.72	...	...	4	124	19.34		
1903	6556	270	41.0	56	207	143	21.81	...	...	7	150	22.87		
1904	6660	205	30.7	41	200	123	18.40	2	...	5	128	19.20		
1905	6820	233	34.1	38	163	96	14.07	1	...	4	100	14.60		
1906	7169	238	33.19	31	130	84	11.20	...	...	6	90	12.50		
1907	7160	192	26.81	28	145	88	12.29	4	...	5	93	12.98		
1908	7180	227	31.61	23	101	87	12.11	3	...	4	91	12.67		
1909	7200	210	29.16	28	133	116	16.10	2	...	2	118	16.38		
Averages for years 1900-1909	6675	232	35.17	40	171	116	17.80	...	...	...	120	18.46		
1910	7200	200	27.7	22	110	82	11.38	5	...	7	89	12.36		

\* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in Acres (exclusive of area covered by water) ... 1982.

Total population...	...	...	...	6306
Number of inhabited houses	...	...	...	1116
Average number of persons per house	At Census of 1901.			
				5.65

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other institutions, the deaths in which have been distributed among the several localities in the District.
Nil.	Wigan Infirmary Wigan Union Hospital Leigh Infirmary	Abram Sanatorium.
Is the Union Workhouse within the District? No.		

TABLE II.

## Vital Statistics of separate Localities in 1910 and previous years. Urban District of Abram.

NAMES OF LOCALITIES.	Whole District.				Abram Brow Ward.				Bamfurlong Ward.				Bickershaw Ward.				Plank Lane Ward.			
	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to the middle each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year
1900	5277	252	145	57	1752	...	...	...	1985	...	...	...	1420	...	...	...	1144	...	...	...
1901	6325	248	169	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1902	6409	246	124	43	...	...	35	...	...	...	45	...	...	...	...	20	...	...	24	...
1903	6556	270	150	56	...	...	35	...	...	...	37	...	...	...	...	32	...	...	46	...
1904	6660	205	128	41	...	...	38	...	...	...	30	...	...	...	...	34	...	...	...	...
1905	6820	233	100	38	2128	...	41	21	2139	...	24	11	1467	...	20	2	1086	...	...	8
1906	7169	238	90	31	2192	69	36	14	2373	71	21	8	1480	57	18	5	1124	41	15	4
1907	7160	192	93	28	2190	53	24	7	2373	69	30	11	1473	42	19	3	1124	28	20	4
1908	7180	227	91	23	2190	66	34	10	2393	72	18	5	1473	49	22	7	1124	40	17	7
1909	7200	210	118	28	2190	61	46	12	2406	68	32	6	1480	53	19	6	1124	28	21	4
Averages of Years 1900 to 1909.	6675	234	120	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1910	7200	200	89	22	2180	70	26	7	2425	59	24	8	1475	38	18	4	1120	33	21	3

TABLE III.

## Cases of Infectious Disease notified during the Year 1910. District of Abram.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.					Deaths in Hospitals of Patients removed from this District.
	At Ages—Years.						Abram Brow	Ram-furlong	Bicker-shaw	Plank Lane	Abram Brow	Ram-furlong	Bicker-shaw	Plank Lane		
	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards										
Diphtheria (including Membranous Group) ...	14	2	4	5	3	...	2	8	4	...	..	..	..	..	..	..
Erysipelas ...	17	...	3	3	10	1	5	8	3	1	..	..	..	..	..	..
Scarlet Fever ...	45	14	26	4	1	...	8	4	31	2	5	2	29	2	38	4
Enteric Fever ...	16	...	5	6	5	...	8	3	5	...	8	2	5	...	15	1
Phthisis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonotorum	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Totals ...	93	1	16	38	18	19	1	23	44	3	13	4	34	2	53	5

Isolation Hospital—Name and Situation—Sanatorium, Park Lane, Abram. Total available beds, 8.  
 Number of Diseases that can be concurrently treated, 2.



TABLE IV.

## Causes of, and Ages at, Death during Year 1910. District of Abram.

CAUSE OF DEATH	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHOETHER OCCURRING IN OR BEYOND THE DISTRICT.								DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT								Total Deaths whether of "Residents" or "non-Residents" in Public Institutions in the District					
	All Ages		1 and under 5		5 and under 15		15 and under 25		25 and under 65		65 and upwards		Abram Ward		Bamfur-Bicker-shaw Ward			Plank Land Ward				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		18	19	20	21	22
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	1	5	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous croup)	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever—Enteric ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis ...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	8	1	...	...	1	...	...	1	5	1	...	...	...	...	...	...	...	...	...	...	...	...
Other tubercular diseases	6	3	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	...	...	...	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	8	3	...	3	2	...	...	...	4	1	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases of Respiratory Organs...	13	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature birth ...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heart diseases ...	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Accidents ...	5	...	...	...	...	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicides ...	7	...	...	...	...	3	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other causes	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All causes	21	3	1	1	1	2	8	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	189	22	12	7	9	28	11	26	24	18	21	5	...	...	...	...	...	...	...	...	...	...

January 6th, 1911.

A. O. BENTHAM, Medical Officer of Health.

TABLE V.

District of ABRAM.

## INFANTILE MORTALITY DURING THE YEAR 1910.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.																																							
ALL CAUSES.	{	Certified	Uncertified	...	...	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Totals Death under One Year.																	
																							21																
																							1																
Common Infectious Diseases { Measles																							1																
Diarrhoeal Diseases—Gastritis { Whooping Cough																							1																
Wasting Diseases { Premature Birth																							4																
Atrophy, Debility, Marasmus																							2																
Tuberculous Diseases ...																							1																
Convulsions																							4																
Bronchitis																							1																
Pneumonia																							3																
Other Causes																							3																
Totals																							1	2	1	3	7	2	1	1	3	..	1	1	3	1	2	..	22
																							Population ( Estimated to middle of 1910 )										7200						

Births in the year { legitimate 194  
illegitimate 6

Deaths from all Causes at all Ages, 89.

Population (Estimated to middle of 1910.) 7200

Deaths in the year of { legitimate infants 20  
illegitimate infants 2

# Annual Report of the Medical Officer of Health for Year 1910, for the Urban District of Abram,

On the administration of the Factory & Workshop Act, 1901, in  
connection with Factories, Workshops, Workplaces, & Homework.

## 1—INSPECTION of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspectors or Inspectors  
of Nuisances.

Premises	No. of Inspec- tions.	No. of Verbal Notices.	No. of Prosecu- tions.
Workshops (including Workshop Laundries)	15	3	...
Workplaces (other than Outworkers' premises included in Part 3 of this Report)	32	2	...
Total	47	5	...

## 2.—DEFECTS FOUND in Factories, Workshops & Workplaces.

	Number of Defects			No. of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness	5	3	...	...
Total	5	3	...	...

## 3.—HOME WORK.

	Addresses of Outworkers. Received from other Councils.		Inspections of Out- workers' premises.
Wearing Apparel, (1) making, &c.	...	1	2
Total	1	...	2

## 4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.

	Number.			
Workshops:	Blacksmith ..	...	...	1
	Wheelwright	...	...	1
	Tinsmith ...	...	...	1
	Clogger and Shoemaker	...	...	6
	Coffin Maker	...	...	1
Bakehouses	...	...	...	8
Workplaces:	Dressmakers	...	...	10
	Stocking Knitter	...	...	1
	Tailor ...	...	...	1
	Shoemaker ...	...	...	1

Total number of workshops on Register 31

January 16th, 1911.

A. O. BENTHAM,  
Medical Officer of Health.

TABLE (C).

## COUNTY OF LANCASTER.

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### Summary of Medical Officer's Report for 1910.

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Urban District of Abram.

Area in Statute Acres, 1982. Population (Census 1901), 6306.  
(Estimated), 1910, 7200.

Medical Officer of Health, A. O. Bentham. Salary, £40.

Births registered: Males 98, Females 102; Total 200.

Deaths registered (nett deaths belonging to the District): Males 56, Females 33; Total 89.

Number of Illegitimate Births registered, 6. Deaths of Illegitimates under one year of age, 2.

Birth-rate, 27.7. Death-rate, 12.36. Rate of Infant Deaths, under 1 year, to 1,000 Births, 110.

Death-rate from the Seven Principal Epidemic Diseases per 1,000 of population, 1.8.

Diseases specially prevalent: 1, Measles; 2, Scarlet Fever, 3, Whooping Cough; 4, Enteric Fever. Period: 1, January; 2, May and June; 3, September to November; 4, September and October.

Any Schools closed? Babies' Class in Infant Room. If so, from what Disease? Scarlet Fever.

What is the character of the Hospital Accommodation? For Small-pox, Currugated Iron Building; For other Infectious Diseases, Brick Isolation Hospital.

Is it Joint or otherwise? Not joint.

No. of Beds available for your District: For Small-pox, 4;  
For other Infectious Diseases, 8.

No. of cases removed to hospital from your District: Small-pox, nil; Diphtheria, nil; Scarlet Fever, 38; Enteric Fever, 15. Total, 53.

Deaths in Hospital of patients from your District: From what causes? 4 from Scarlet Fever and 1 from Enteric Fever.

How is Disinfection carried out? Houses: Sulphur Fumigation. No. of Houses disinfected, 60. Apparatus used for Clothing, Bedding, &c. (steam or otherwise), Manlove and Alliot, Steam. Where is apparatus situated? Isolation Hospital. If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c. of Patients not removed to the Hospital? Yes.

No. of cases of Infectious Disease reported under the Notification Act, 93. Are any Diseases not specifically mentioned in the Act notifiable (for instance Measles, Whooping Cough, Diarrhœa, Chicken Pox, Ophthalmia Neonatorum, &c.)? If so, what are they? Yes, Ophthalmia Neonotorum.

Bacteriological Examinations. No. and nature of specimens examined? Nil.

Has any arrangement been made for the "voluntary" notification of Pulmonary Tuberculosis? No.

No. of cases of Pulmonary Tuberculosis reported under the Public Health (Tuberculosis) Regulations, 1908? None.

Has any arrangement been made under the Diphtheria Anti-toxin Order, 1910? No. The Council supply Anti-toxin free in all cases where required.

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Action taken under "The Housing of the Working Classes Acts, 1890 to 1909."	No. of Dwelling-houses inspected, 6. Dwelling-houses considered unfit for human habitation, 2. Representations to Authority with a view to the making of Closing Orders, 1. Dwelling-houses closed, 2. General character of defects found to exist? Want of Ventilation, Defective Roof, walls and floors.
From where is the Water Supply obtained? What is its condition?	Liverpool Corporation, through a Service Reservoir. Good.
Is it subject to your inspection?	Yes.
Is Scavenging and Removal of House Refuse carried out satisfactorily?	Yes.
How performed:—By Sanitary Authority, Contract, or Occupiers of Houses?	$\frac{3}{4}$ by the Council and $\frac{1}{4}$ by contract.
How is the Refuse disposed of?	On special tips.
Has a Destructor been provided?	No.
Sewage Disposal Works. Method of Treatment?	Septic tank, Bacteria beds, Land filtration.
What is the character of the Drainage System?	Earthenware pipe lines.
Drain Testing, Flushing, &c.	All new drains tested with smoke apparatus, and flushing done with Hydrant.
Canal Boats: Number Inspected?	56. No. of Infringements of Acts, 5.
What is the condition of the Bakehouses?	Generally satisfactory.
„ Slaughter Houses?	Good. Has a public Abattoir been provided? No.
„ Lodging Houses?	None. Are they Registered?
What is the sanitary condition of the Schools?	Fairly good. The playgrounds of two of them are only ashed.
Dairies, Cowsheds, and Milk-shops—	
Are they periodically inspected?	Yes. What is their condition? Fairly good.
Have Regulations been made under the order of the L.G.B.?	Yes. Are they enforced? Yes.

Amount of air space in cubic feet required for each cow?	500 Cubic Feet.
No. of Cowkeepers?	29. No. on Register? 29.
No. of Dairymen or Purveyors of Milk (other than Cowkeepers)?	Nil. No. on Register? Nil.
Food unfit for Human Consumption: Amount seized?	60 lbs.
No. of Legal Proceedings, and result?	Nil.
Department of Inspector of Nuisances	No. of Notices served? 74. Nuisances remedied? 499. No. of Legal Proceedings taken and result? Nil.
Closet accommodation of the District	No. of Privy Middens? 1106. Pail Closets? 20. Fresh Water Closets? 161. No. of Privy Middens converted during 1910? To w.c.'s, 23; To Pails, &c., 1. No. of Waste Water Closets converted to w.c.'s, 2.
Smoke	No. of Observations? 4. No. of Legal Proceedings taken and result? Nil. What is the time limit allowed for the emission of black smoke per hour? Nil.
Has the Authority adopted—	“The Infectious Disease (Prevention Act, 1890” ? No. “The Public Health Acts Amendment Act, 1907 Yes. “The Public Health Acts Amendment Act, 1890” ? Yes. “The Notification of Births Act, 1907” ? No.
Has a Health Visitor been appointed?	No.
Notable sanitary improvements during 1910.	Cleaning Common Lane Brook; Raising road to prevent flooding at Houghton Cote Road and near Dover Bridge; Removal of stagnant water in Chapel Street.
Chief Sanitary requirements of District	Paving private streets in Abram Brow, Bamfurlong, and Bickershaw Wards. Conversion of privy middens to water closets.

## NUISANCE INSPECTOR'S ANNUAL REPORT.

January, 1911.

To the Chairman and Members of the Abram Urban  
District Council.

Gentlemen,

I beg to give below a summary of the work carried out in the Inspector of Nuisances and Sanitary Department for the year ending December 31st, 1910.

Stopped drains opened and cleaned	...	...	89
Drains taken up and relaid or renewed	...	...	65
Disconnecting traps fixed to old drains	...	...	17
Premises re-drained and connected to cesspools	...	...	3
Deep, wet ashpits raised and rendered dry	...	...	6
Leaking and defective ashpits and closets repaired	...	...	33
Ash-bins provided	...	...	10
Ashpits rebuilt	...	...	1
Privy rebuilt	...	...	1
,, converted to pail	...	...	1
Privies converted to water closets	...	...	23
Waste water closets converted to clean water closets	...	...	2
New water closets	...	...	3
Water closets repaired	...	...	8
Back passages cleaned and ashed	...	...	20
Paving back yards and round gullies	...	...	17
Defective slop pipes and waste pipes repaired	...	...	32
New ventilating shafts fixed to old drains	...	...	12
Downspouts disconnected from drains	...	...	7
Keeping pigs as a nuisance	...	...	2
Poultry and pigeons removed from house yards	...	...	6
Defective spouts, roofs, &c. repaired	...	...	7
Water-logged floors, &c. concreted	...	...	5
Overcrowding	...	...	1
Houses limewashed	...	...	37
Dirty premises and foul privies	...	...	28
Accumulation of manure and filth	...	...	3
Old drains tested with smoke machine	...	...	60
Foul ponds filled up	...	...	2
Foul cellar filled up and flagged	...	...	1
Total			502

74 Notices have been served.

3 additional Ventilators and 1 Manhole have been fixed to the main sewer.

*Sewage Disposal Works.* These works continue in an excellent condition, and the effluent samples taken by the Mersey and Irwell Inspector have always been good. On two occasions Abram was second on the list.

*Factory and Workshops Act, 1901.*

Workshops:

Blacksmith	...	...	1
Wheelwright	...	...	1
Tinsmith	...	...	1
Cloggers	...	...	6
Coffin maker	...	...	1
		—	10

Workplaces:

Dressmakers	...	...	10
Stocking Knitter	...	...	1
Tailor	...	...	1
Clogger and Shoemaker	...	...	1
		—	13
Bakehouses	...	...	8
			—
		Total	31
			—

*Disinfection.* Sixty houses and three schools have been disinfected, and the following articles passed through the disinfectors:—

Rugs	...	...	...	2
Beds	...	...	...	60
Bolsters and Pillows	...	...	...	135
Covers	...	...	...	120
Sheets	...	...	...	41
Blankets	...	...	...	83
Quilts	...	...	...	92
Shawls	...	...	...	32
Dresses	...	...	...	22
Underclothing	...	...	...	115
Caps and Bonnets	...	...	...	44
Trousers, Jackets and Waistcoats	...	...	...	107
Pinafores	...	...	...	13
Sundry small articles	...	...	...	100
			—	
		Total		966
				—

*Nightsoil.* Some improvement has been made in this work, and a certain portion of the ashpits emptied during the night time.

*New Property.* Three new houses and one stable, have been completed during the year.

*Slaughter-house.* The one slaughter-house has been regularly inspected, and every assistance received from the tenant. This has now been in use twelve months and the licence renewed.

I beg to be, Gentlemen,

Your obedient Servant,

W. H. ROBY,

Inspector of Nuisances.







